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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Wangh, Lawrence J.
SERIAL NUMBER: 09/226,766 EXAMINER: Crouch, Deborah
FILING DATE: January 6, 1999 ART UNIT: 1632
FOR: PRENATAL SCREENING

Assistant Commissioner for Patents
Washington, D.C. 20231

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DECLARATION OF ALEXANDER D. BAGUISI UNDER 37 C.F.R §1.132

I, Alexander D. Baguisi, declare and state as follows:

1. I am an employee of TranXenoGen, Inc., licensee of the above-referenced patent application.
2. I received a B.S. degree in Agriculture from the University of the Philippines (Los Banos, Philipines) and a M.S. degree in Agricultural Sciences from the University of Dublin (Dublin, Ireland). I have been involved in research related to nuclear transfer and animal cloning for at least 9 years.
3. I have read the Office Action mailed on August 23, 2002 and am familiar with the Examiner's grounds of rejection of the pending claims.

4. The data described herein were obtained using the methods described and claimed in the above-referenced patent application.

5. Cloned mouse pups were produced by contacting a somatic cell nucleus with a meiotic metaphase II cytoplasm followed by an activated cytoplasm.

6. Donor nuclei were obtained from fibroblast cells of day 12 mouse fetuses (CD-1/B6D2F1). Oocytes were collected from CD-1 mice and enucleated at the metaphase II-arrested stage. Donor nuclei were contacted with metaphase II cytoplasm for 1-3 hours. The nuclei were then contacted with an activating cytoplasm for 2-4 hours. Standard nuclear transfer was used to make reconstructed embryos. Embryos were cultured for 18-24 hours and then surgically transferred to pseudo-pregnant mice recipients.

7. One hundred fifteen embryos from metaphase II-treated nuclei were transferred to 10 recipient mice. Four full-term pregnancies resulted, and two live cloned pups were produced.

8. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by a fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date

2/21/2003


Alexander D. Baguisi